

OMB NA 0651-0011

MAY 1 0 2000

Atty. Docket No	07099.0019-04		Serial No.	09/482,032 CANOUP 270		100P 2700	
Applicant	David Stanley BULL et al.						
Filing Date	January 13, 2000	.	Group	Unassig	ned		
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
au	5,742,762	4/21/98	Scholl et al.		_		
an	5,675,780	10/7/97	Plant-Mason et al.	<i>~</i>			
ar	4,837,798	6/6/89	Cohen et al.				
an	5,737,560	4/7/98	Yohanan		_		
al	5,794,210	8/11/98	Goldhaber et al.				
	FOREIG	ON PATENT	DOCUMENTS				
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No	
	OTHER DOCUMENTS (Inclu	ding Author	, Title, Date, Pertine	nt Pages	, Etc.)		
au	Oren Etzioni et al., Intelligen 44-49.	nt Agents on	the Internet: Fact, Fic	tion, and l	Forecase	, IEEE, pages	
a	Ronald J. Vetter et al., Mosa	Ronald J. Vetter et al., Mosaic and the World-Wide Web, IEEE, pages 49-57					
(in	Ari Luotonen et al., World W	Ari Luotonen et al., World Wide Web Proxies, http://www.w3org/history/1994/www/proxies/ , pages					
Examiner	Mesonile dele Noute	2`	Date Considered	2/14/0	1		
	nitial if reference considered, whether or not citation is in conformance with MPEP 609; draw line hrough citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						
Form PTO 1449		Patent and Trademark Office - U.S. Department of Commerce					



OMB No F0551-0011

MAY 1 0 2000

GROUP 2700

	ADEW		· · · · · · · · · · · · · · · · · · ·		****	THE COURT		
Atty. Docket No	0. 07099.0019-04		Serial No.	09/482,	032	4710UP 27		
Applicant	David Stanley BULL et al.							
Filing Date	January 13, 2000		Group	Unassi	gned			
	U	I.S. PATENT D	OCUMENTS					
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date		
Au	5,309,355	5/3/94	Lockwood		_			
de	5,404,393	4/4/95	Remillard		~			
an	5,404,505	4/4/95	Levinson	_	-			
ah	5,422,809	6/6/95	Griffin et al.	_	~			
an	5,459,859	10/17/95	Senda	_				
	FOR	REIGN PATENT	DOCUMENTS	···· -				
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No		
au	PCT/US94/12646	10/31/94	PCT					
au	PCT/NO94/00206	12/16/94	PCT		1			
@v	PCT/US93/00628	1/22/93	PCT		-			
au	6491212A2	10/17/94	Europe					
au	PCT/NO96/14893		PCT		_			
	OTHER DOCUMENTS (In	cluding Autho	r, Title, Date, Perti	nent Pages	, Etc.)			
all	"The Whole Internet - Fo	or windows 95",	Author Ed Krol & Pa	aula Fergus	on, Pages	117-121, 126.		
ale	Stuart Harris et al., Nets	cape Quicke To	ur for Macintosh, V	entura Pres	s, pages 3	0, 41.		
al	Aubrey, David, "Nomads Vol. 15, No. 12, p. 616(4	Aubrey, David, "Nomads of the Net (intelligent agents for data searching)," Computer Shopper, Vol. 15, No. 12, p. 616(4), pp. 1-8, December 1995.						
Examiner	alexande Californ	de.	Date Considered	2/14/	91			
*Examiner:		itial if reference considered, whether or not citation is in conformance with MPEP 609; draw line rough citation if not in conformance and not considered. Include copy of this form with next						
Form PTO 1449)	Pate	ent and Trademark	Office - U.S	S. Departm	ent of Commerce		

OMB No. 0651-0011

MAR 0 6 2000 0

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

MAY 1 0 2000

Atty. Docket No.	07099.0019-04		Serial No.	09/482,0	032	GROV 10 2000	
Applicant	David Stanley BULL et al.					GROUP 2700	
Filing Date	January 13, 2000		Group	Unassig	ıned		
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
au	5,491,820	2/13/96	Belove et al.		_		
pl	5,848,396	12/8/98	Gerace		1		
Ote	5,754,939	5/19/98	Herz et al.				
ale	5,347,632	9/13/94	Filepp et al.	_	-		
an	5,442,771	8/15/95	Filepp et al.		1		
	FOREIG	N PATENT	DOCUMENTS				
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No	
-			_				
					•		
	OTHER DOCUMENTS (Include	ding Author	, Title, Date, Pertine	nt Pages,	, Etc.)		
av	Yuwono et al., "Search and Ranking Algorithms for Locating Resources on the World Wide Web, "IEEE, pp. 164-171, 1996.						
p	IEEE, Article by M.F. Wyle, 6 October 1991, pages 10-15.	IEEE, Article by M.F. Wyle, entitled "A WIDE AREA NETWORK INFORMATION FILTER", October 1991, pages 10-15.					
an	Object Magazine, Article by Darrell Woelk, Michael Huhns, and Christine Tomlinson, entitled "UNCOVERING THE NEXT GENERATION OF ACTIVE OBJECTS", July/August 1995, pages 33-40.						
Examiner	allementer allewood	6c`	Date Considered	7/11/	01		
th	*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						
Form PTO 1449		Pate	nt and Trademark Off	ice - U.S	. Depart	tment of Commerce	



OMB No. 0651-0011

MAY 1 0 2000

	THADE				<u>C</u>	7000	
Atty. Docket No.	07099.0019-04		Serial No.	09/482,	032	ROUP 2700	
Applicant	David Stanley BULL et al.					3,00	
Filing Date	January 13, 2000		Group	Unassig	ıned		
	U.	S. PATENT D	OCUMENTS				
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
PU	5,594,910	1/14/97	Filepp et al.				
æ	5,572,643	11/5/96	Judson		_		
pe	5,555,407	9/10/96	Cloutier et al.				
au	5,623,652	4/22/97	Vora et al.		_		
ac	5,649,186	7/15/77	Ferguson		_		
	FORI	EIGN PATENT	DOCUMENTS				
	Document Number				Sub Class	Translation Yes or No	
	OTHER DOCUMENTS (Inc	luding Author	r, Title, Date, Pertir	nent Pages	, Etc.)		
Online Information 94 Proceedings, Article by David Gee and Peter Woolliams, entitled "NOVEL APPROACHES TO AUTOMATING THE GATHERING OF INTELLIGENCE FROM THE ONLINE COMMUNITY THROUGH THE INTERNET", 1994, pages 501-511.							
ac	Multimedia At Work, Article by Thomas D.C. Little, entitled "COMMERCE ON THE INTERNET", 1994, pages 74-78.						
Out Database WPJ Week 96340813							
Examiner M	exacte Catilon a	4 `	Date Considered	slue	101		
th	nitial if reference considered, who rough citation if not in conformation to applicant.						
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce						



OMB No. 0654 5011ED MAY 1 0 2000 GROUP 2700

	TRAUEN					
Atty. Docket No. 07099.0019-04			Serial No.	09/482,	032	
Applicant	David Stanley BULL et al.					
Filing Date	January 13, 2000		Group	Unassig	ned	
	U.S.	PATENT D	OCUMENTS			
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
ou	5,530,852	6/25/96	Meske, Jr. et al.	_	_	
au	5,710,886	1/20/98	Christensen et al.			
de	5,740,549	4/14/98	Reilly et al.			
Q i	5,819,285	10/6/98	Damico et al.			
R	5,696,965	12/9/97	Dedrick	_		
æ	FOREIC	ON PATENT	DOCUMENTS			
·	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
	OTHER DOCUMENTS (Inclu	ding Author	r, Title, Date, Pertine	nt Pages	, Etc.)	
De	lan Graham, Server-side "G Introduction to HTML, pages		rams", The Information	on Commo	ons, Unive	ersity of Toronto,
ar	Ian Graham, CGI Document	tation, The Ir	nformation Commons,	Universit	y of Toror	ito, pages
Examiner MW	Jule Validorde		Date Considered	HILL	0)	
thro	ial if reference considered, whet ough citation if not in conformand nmunication to applicant.					
Form PTO 1449		Pate	ent and Trademark Off	fice - U.S	. Departm	ent of Commerce



OMB No. 0651-0011

RECEIVED

MAY 1 0 2000

Atty. Docket No.	07099.0019-04	Serial No.	09/482,	032 G F	2700		
Applicant	David Stanley BULL et al.					2/00	
Filing Date	January 13, 2000		Group	Unassig	gned		
	U.S	. PATENT D	OCUMENTS				
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
per	5,249,044	9/1993	Kohorn		_		
au	5,459,306	10/1995	Stein et al.		_		
av	5,724,521	3/3/98	Dedrick)		
Cle	5,572,643	11/5/96	Judson		\		
av	5,737,619	4/7/98	Judson		-		
	FORE	IGN PATENT	DOCUMENTS				
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No	
	OTHER DOCUMENTS (Incl	uding Autho	r, Title, Date, Pertii	nent Pages	, Etc.)		
	1 11	//					
Examiner (Muouder Wal roul	'Xe.'	Date Considered	21.14	(0)		
th	itial if reference considered, whe trough citation if not in conformat ommunication to applicant.						
Form PTO 1449	n PTO 1449 Patent and Trademark Office - U.S. Department of Commerce						



OMB RD 0651-0011 MAY 1 0 2000

07099.0019-04 Atty. Docket No. Serial No. 09/482,032 **Applicant** David Stanley BULL et al. Filing Date January 13, 2000 Group Unassigned **U.S. PATENT DOCUMENTS Examiner Document** Sub **Filing Date** Initial* Number **Date** Name **Class Class** If Appropriate 5,570,283 ΗK 10/9/96 Shoolery et al. ΗK 5,237,499 8/17/93 Garback ΗK 5,191,523 3/2/93 Whitesage ΗK 5,311,425 5/10/94 Inada 5,832,454 11/3/98 ΗK Jafri et al. **FOREIGN PATENT DOCUMENTS Document** Sub **Translation** Number Date Country Class Class Yes or No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Examiner **Date Considered** *Examiner:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next

communication to applicant.

Form PTO 1449

Patent and Trademark Office - U.S. Department of Commerce



OMB No 0651-0011 RECEIVED MAY 1 0 2000

Atty. Docket No.	07099.0019-04		Serial No.	09/482,	032	GROUP 2700
Applicant	David Stanley BULL et al.					
Filing Date	January 13, 2000		Group	Unassi	gned	
	U.	S. PATENT D	OCUMENTS			-
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
all	5,467,268	11/14/95	Sisley et al.	-		
<u> </u>						
·	FOR	EIGN PATENT	DOCUMENTS		1	
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
						<u> </u>
	OTHER DOCUMENTS (Inc	cluding Author	r, Title, Date, Perti	nent Pages	, Etc.)	
			· · · · · · · · · · · · · · · · · · ·			
					/	4
Examiner	Merande Vale	lerica!	Date Considered	Mul	<u> </u>	
t	nitial if reference considered, when the conform the conform communication to applicant.					
Form PTO 1449		Pate	ent and Trademark (Office - U.S	Departn	nent of Commerce